CLAIMS

1. A lectin library for discriminating glycoproteins or cells, diagnosing serum or cells or fractionating glycoproteins or cells, which comprises at least one kind of lectin selected from plural kinds of lectins, on the basis of affinity for cells, pseudo-cells, glycoproteins or sugar chains serving as an indicator.

2. The lectin library according to claim 1, which comprises at least one kind of lectin recognizing O-binding sugar chains.

3. The lectin library according to claim 1 or 2, wherein the cells or pseudo-cells serving as the indicator are erythrocytes or glycophorin.

4. The lectin library according to any one of claims 1 to 3, which is for use in distinguishing IgA glycoform.

5. The lectin library according to any one of claims 1 to 3, wherein the discrimination of cells is any one of discrimination of an osteoblast subgroup, discrimination of a cell subgroup derived from mesenchymal stem cells and discrimination of cancer cell metastasis.

6. A method of discriminating glycoproteins or cells, diagnosing serum or cells or fractionating glycoproteins or cells, wherein the lectin library according to any one of claims 1 to 5 is used.

7. The method according to claim 6, wherein the interaction between lectin and a sample to be examined is

indicated by another substance having affinity for the sample.

8.   The method according to claim 6 or 7, wherein said another substance having affinity for the sample is an antibody.

9.   The method according to any one of claims 6 to 8, wherein the serum diagnosis is discrimination of IgA glycoform.

10.   The method according to claim 6 or 8, wherein the discrimination of cells is any one of discrimination of an osteoblast subgroup, discrimination of a cell subgroup derived from mesenchymal stem cells and discrimination of cancer cell metastasis.

11.   A diagnostic kit comprising the lectin library according to any one of claims 1 to 5.

12.   The kit according to claim 11, which is in the form of a reagent.

13.   The kit according to claim 12, which further comprises another substance having affinity for the sample.

14.   The kit according to claim 11, which is in the form of a lectin chip or a lectin sensor.

15.   An apparatus for fractionation, separation or removal of glycoproteins or cells, which comprises the lectin library according to any one of claims 1 to 5.

16.   The apparatus according to claim 15, which is used for plasmapheresis.